		Exploring the Ex	xtreme
		2005 Mathema	
		Core Curricu	lum
New York Mathemat	ics		
Grade K			
Activity/Lesson	State	Standards	
Finding the Center of			Understand how to organize their thought
Gravity Using Rulers	NY	MA.K.K.CM.1	processes with teacher guidance
			Share mathematical ideas through the
Finding the Center of			manipulation of objects, drawings, pictures,
Gravity Using Rulers	NY	MA.K.K.CM.2	and verbal explanations
Fig. 15 and a Constant of			
Finding the Center of	I .	NAA 14 14 O 4	Gather data in response to questions posed
Gravity Using Rulers	NY	MA.K.K.S.1	by the teacher and students
		F I ' (I F.	
		Exploring the Explorer	
		2005 Mathema	
Now Vorla Motherna		Core Curricul	ium 
New York Mathemat	ICS		
Grade 1	Ctoto	Standards	
Activity/Lesson	State	Standards	
Finding the Center of			Understand how to organize their thought
Gravity Using Rulers		MA.1.1.CM.1	processes with teacher guidance
Cravity Osing Ruleis		IVIA. I. I. OIVI. I	processes with teacher guidance
Finding the Center of			
Gravity Using Rulers		MA.1.1.CM.2	Verbally support their reasoning and answer
Gravity Comig Raiore			voidany capport their reaccining and another
	1	Exploring the Ex	xtreme
		2005 Mathema	
		Core Curricu	lum
New York Mathema	tics		
Grade 2			
Activity/Lesson	State	Standards	
Finding the Center of			Understand how to organize their thought
Gravity Using Rulers	NY	MA.2.2.CM.1	processes
Finding the Center of			
Gravity Using Rulers	NY	MA.2.2.CM.2	Verbally support their reasoning and answer
	<u> </u>		
		Exploring the Ex	
		2005 Mathema	
Nam Vari III di		Core Curricu	lum 
New York Mathemat	ilCS		
Grade 3	Ctata	Cton dondo	
Activity/Lesson	State	Standards	
Finding the Contain of			Understand and explain how to expenie
Finding the Center of	I .	NAA 2 2 CNA 4	Understand and explain how to organize
Gravity Using Rulers	INT	MA.3.3.CM.1	their thought process

Gravity Using Rulers Finding the Center of		MA.4.4.CM.2	selection Discuss, listen, and make comments that
Finding the Center of			Verbally explain their rationale for strategy
Gravity Using Rulers	NY	MA.4.4.CM.1	their thought process
Activity/Lesson Finding the Center of	State	otandards	Understand and explain how to organize
Grade 4	State	Standards	
New York Mathema	tics		
		Core Curricu	lum
		2005 Mathema	
		Exploring the E	
Moment Arms	NY	MA.3.3.CM.5	and verbal form
of Gravity Using	NIX	NAA 0 0 0 14 -	models, symbols, and expressions in written
			,
Changing the Center			pictures, charts, graphs, tables, diagrams,
			the manipulation of objects, drawings,
			Share organized mathematical ideas through
Moment Arms	NY	MA.3.3.CM.1	their thought process
of Gravity Using			Understand and explain how to organize
Changing the Center			
Lines	NY	MA.3.3.CM.2	selection
Gravity Using Plumb			Verbally explain their rationale for strategy
Finding the Center of			
Lines	NY	MA.3.3.CM.1	their thought process
Gravity Using Plumb			Understand and explain how to organize
Finding the Center of			
Gravity Using Rulers		MA.3.3.CM.6	Answer clarifying questions from others
Finding the Center of		N/A 0 0 011 5	A constant to the state of the
Finding the Center of			
Gravity Using Rulers	NY	MA.3.3.CM.2	selection
			Verbally explain their rationale for strategy

Jet Propulsion	NY	MA.5.5.CM.3	Organize and accurately label work
Jet Propulsion	NY	MA.5.5.CM.5	Answer clarifying questions from others
oct i ropuloion	1111	1717 1.0.0.01711.0	Raise questions that elicit, extend, or
Jet Propulsion	NY	MA.5.5.CM.7	challenge others' thinking
oot i ropuloion	111	1017 (1.0.0.01011.7	Provide an organized thought process that is
Vectoring	NY	MA.5.5.CM.1	correct, complete, coherent, and clear
Vectoring	NY	MA.5.5.CM.5	Answer clarifying questions from others
Voctoring	1111	1417 (1.0.0.01411.0	7 thower diamying queetiens from earlors
Center of Gravity,			Understand that percent means part of 100,
Pitch, Yaw	NY	MA.5.5.N.11	and write percents as fractions and decimals
,	1.1.		Determine the tool and technique to
Center of Gravity,			measure with an appropriate level of
Pitch, Yaw	NY	MA.5.5.M.6	precision: lengths and angles
			processing and and angles
		Exploring the Ex	ktreme
		2005 Mathema	
		Core Curricul	um
New York Mathem	atics		
Grade 6			
Activity/Lesson	State	Standards	
			Provide an organized thought process that is
Jet Propulsion	NY	MA.6.6.CM.1	correct, complete, coherent, and clear
Jet Propulsion	NY	MA.6.6.CM.5	Answer clarifying questions from others
			Provide an organized thought process that is
Vectoring	NY	MA.6.6.CM.1	correct, complete, coherent, and clear
Vectoring	NY	MA.6.6.S.8	Justify predictions made from data
		Exploring the Ex	
		2005 Mathema	
Name Vanla Mathana	-4:	Core Curricul	lum 
New York Mathem	atics		
Grade 7	Ctoto	Ctondondo	
Activity/Lesson	State	Standards	Change methods for obtaining required
Jet Propulsion	NY	MA.7.7.PS.15	Choose methods for obtaining required information
Jet Propulsion	NY	MA.7.7.CM.5	Answer clarifying questions from others
Jet Propulsion	INI	IVIA.7.7.CIVI.5	Develop, verify, and explain an argument,
			using appropriate mathematical ideas and
Vectoring	NY	MA.7.7.RP.5	language
Vocioning	141	W/A.7.7.101.0	Provide a correct, complete, coherent, and
			clear rationale for thought process used in
Vectoring	NY	MA.7.7.CM.1	problem solving
Vectoring	NY	MA.7.7.CM.5	Answer clarifying questions from others
Vocioning	1111	1017 (.7 .7 .0101.0	Share organized mathematical ideas through
			the manipulation of objects, numerical
			tables, drawings, pictures, charts, graphs,
			tables, diagrams, models and symbols in
Fuel Efficiency	NY	MA.7.7.CM.4	written and verbal form
. 20. 2			Read and interpret data represented
			graphically (pictograph, bar graph,
			histogram, line graph, double line/bar graphs
Fuel Efficiency	NY	MA.7.7.S.6	or circle graph)
=	1		g. mp···/

Exploring the Extreme 2005 Mathematics Core Curriculum										
							New York Mathem	natics		
							Grade 8			
Activity/Lesson	State	Standards								
Jet Propulsion	NY	MA.8.8.CM.3	Organize and accurately label work							
Jet Propulsion	NY	MA.8.8.CM.5	Answer clarifying questions from others							
			Provide a correct, complete, coherent, and							
			clear rationale for thought process used in							
Vectoring	NY	MA.8.8.CM.1	problem solving							
Vectoring	NY	MA.8.8.CM.5	Answer clarifying questions from others							
			Share organized mathematical ideas through							
			the manipulation of objects, numerical							
			tables, drawings, pictures, charts, graphs,							
			tables, diagrams, models and symbols in							
Fuel Efficiency	NY	MA.8.8.CM.4	written and verbal form							